

Abstract of the Disclosure:

Apparatus and methods for joining similar pieces of plastic pipe includes using the shape memory of the pipe pieces to slightly deform a "female" end to permit insertion therein of a non-deformed male end. The deformation is sufficient to permit the insertion but not so large as to preclude the substantially complete "recovery" of the female end's shape and size, using the "shape memory" of the pipe material. Embodiments include, without limitation, single-walled (or mono-walled) pipe, pipe formed from multiple material layers, corrugated pipe, flat-walled pipe, and others. Preferred tools and apparatus are disclosed for stretching the female end and maintaining the desired stretch during transportation and storage, for sealing the joint (via adhesive/sealant, flange gasket, O-ring, or the like), and for further protecting the resulting joint.

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FOI b7c b7d b7e b7f b7g b7h b7i b7j b7k b7l b7m b7n b7o b7p b7q b7r b7s b7t b7u b7v b7w b7x b7y b7z